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## Additional Experimental GR-S and GR-S Latexes

ADDITIONS to the list of experimental GR-S dry polymers and GR-S latexes available for distribution to

rubber goods manufacturers together with certain reauthorizations of previously listed polymers from the Office of

Rubber Reserve, RFC, under the conditions outlined in our November, 1945, issue page 237, have been received and are listed in the table which appears below:

X-Number Designation	Manufacturing Plant	Date of Authorization	Polymer Description	Special Characteristics
X-327-GR-S	U. S. Rubber, Institute	8/22/46	Masterbatch containing 100 parts Buca A clay and 100 parts of a GR-S-type polymer made with sodium sulfide shortstopper, 40 Mooney viscosity, with 1.5 parts EFED.	Clay masterbatches are reported to have superior processing and handling characteristics. For use in stocks requiring this type of material.
X-329-GR-S	Firestone, Lake Charles	8/14/16	X-307-GR-S latex coagulated with alum.	X-307 is a GR-S-10 type of polymer made with MTM modifier.
X-330-GR-S	Goodrich	8/20/46	GR-S-10 made using a slightly different rosin acid soap by the continuous process.	For the same purpose as GR-S-10.
Reauthorizations have been issued for the following eight polymers which were previously authorized, made, and in consumers' tests found advantageous.				
X-222-GR-S	Firestone, Akron	8/22/46	Alum coagulated GR-S made with dehydrogenated rosin soap.	Polymers made with dehydrogenated rosin soap show a quality advantage, i.e., better tack.
X-250-GR-S	Goodrich, Louisville	8/23/46	Regular GR-S at 45 ± 5 Mooney. Shortstopped with hydroquinone, no antioxidant.	General-purpose use.
X-274-GR-S	National Synthetic, Louisville	8/22/46	GR-S-10 shortstopped with sodium sulfide and stabilized with Stalite.	For some purpose use as GR-S-10. Produced for materials where a special non-discoloring antioxidant is required.
X-276-GR-S Latex	Goodyear, Akron	8/27/46	Low rosin soap GR-S latex with a high solids content of 58%.	General-purpose use.
X-278-GR-S	U. S. Rubber, Naugatuck	9/3/46	50/50 butadiene/styrene ratio. Sodium oleate and glue emulsifiers. Shortstopped with hydroquinone, two parts PBNA antioxidant, alum coagulated.	Use in closure and sealant compounds.
X-293-GR-S Latex	National Synthetic, Akron	8/28/46	Similar to type II latex with Daxad emulsifier, hydroquinone shortstopper, and Stalite antioxidant.	For use in adhesives. Dry polymer from this latex is so sticky the Mooney is too low to be measured.
X-307-GR-S	Goodrich, Port Neches	8/30/46	GR-S-10 except that MTM modifier is used in place of DDM.	This polymer is being made and tested in view of the possible future shortage of DDM.
X-317-GR-S	U. S. Rubber, Institute	8/30/46	GR-S-20 AC made with a non-staining short-stopping agent using 1.5 parts EFED as stabilizer.	For use in goods where a non-staining antioxidant is desired.



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